

PUBLIC NOTICE

PERMIT APPLICATION: NRS # 06.082

APPLICANT: Hope Presbyterian Church
8500 Walnut Grove Road
Cordova, Tenn. 38018
901-755-7721

LOCATION: Unnamed tributary to Wolf River, upstream of Walnut Grove Lake, Hope Presbyterian Church, Walnut Grove Road, Cordova, Shelby County. 35.1290°N, -89.7783°W

WATERSHED and RESOURCE DESCRIPTION: The project site is located in the Wolf River watershed (HUC 08010210). The unnamed tributary to the Wolf River is not currently assessed for its support of classified uses. The uses designated for the tributary are fish and aquatic life, livestock watering and wildlife, recreation, and irrigation. Land use in the surrounding area is primarily residential and light commercial. The stream has a bottom width of five feet, a normal water depth of 6 to 12", and is in a relocated path between two developments. An existing impoundment of this stream empties into a channel that flows into Walnut Grove Lake.

(Photos of the stream and lake are included on the Internet version of this notice at <http://www.state.tn.us/environment/wpc/wpcppo/arap>).

PROJECT DESCRIPTION: The applicant proposes to temporarily take the pond off-line to aid in the construction of a church expansion and to perform enhancements to the pond. While the church expansion site is under construction, the stream flow will be piped around the pond. Stormwater from the western side of the property will also be temporarily diverted away from the pond. During the site disturbance, the dewatered pond will serve as a sediment control system due to lack of space on the property and unique position of the pond site to protect Walnut Grove Pond. The pond basin will be treated, drained, and excavated to post-project dimensions. The pond bed will be covered in a synthetic liner and rip rap will be used to separate the area into three basins. The first basin will be a primary settling basin, the second basin provides space for twice the volume and the third basin will have silt fencing or mulch socks to filter any fines that may reach that point. After the construction site is stabilized, the liner will be removed along with the sediment collected on it. The rip rap will be repositioned along the pond. The permanent changes to the pond involves excavation to lower the pond elevation and redesign of the pond outlet to increase flood storage and help alleviate flooding on Walnut Grove Road. The area surrounding the pond will be sodded and landscaped with native plants to provide a dense natural area around the pond.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

PERMIT COORDINATOR: Juliana W. Kyzar

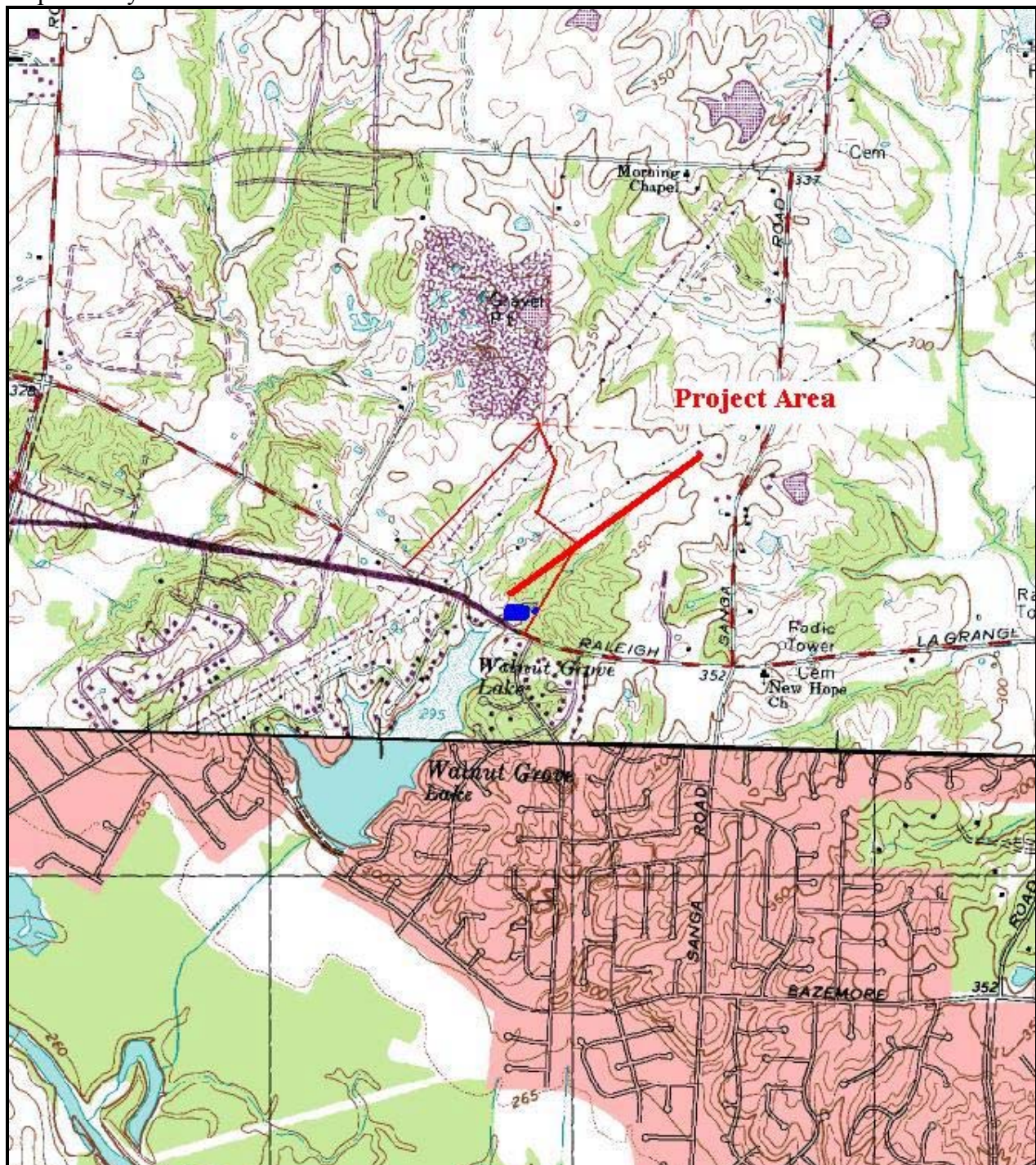
USGS TOPOGRAPHIC QUADRANGLE: Ellendale Quad 409 NE



Photo 1: Existing stream looking downstream towards pond (photo location 3 in figure 2).



Photo 2: Existing pond looking east (photo location 11 in figure 2).



0 0.2 0.4 0.6 0.8 1 mi

Figure 1: USGS topographic map with project area indicated and existing lakes drawn in.

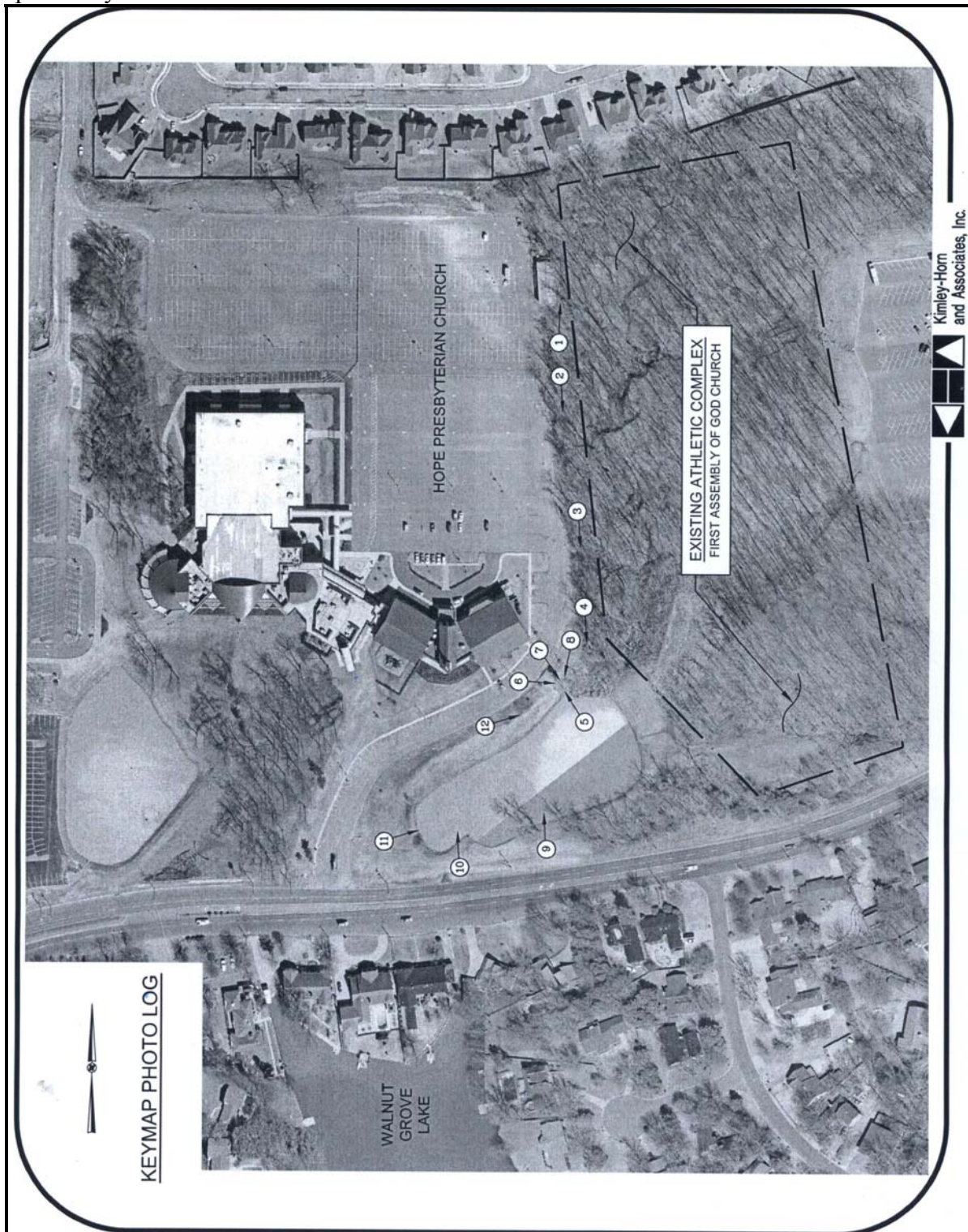


Figure 2: Aerial photo showing existing lakes

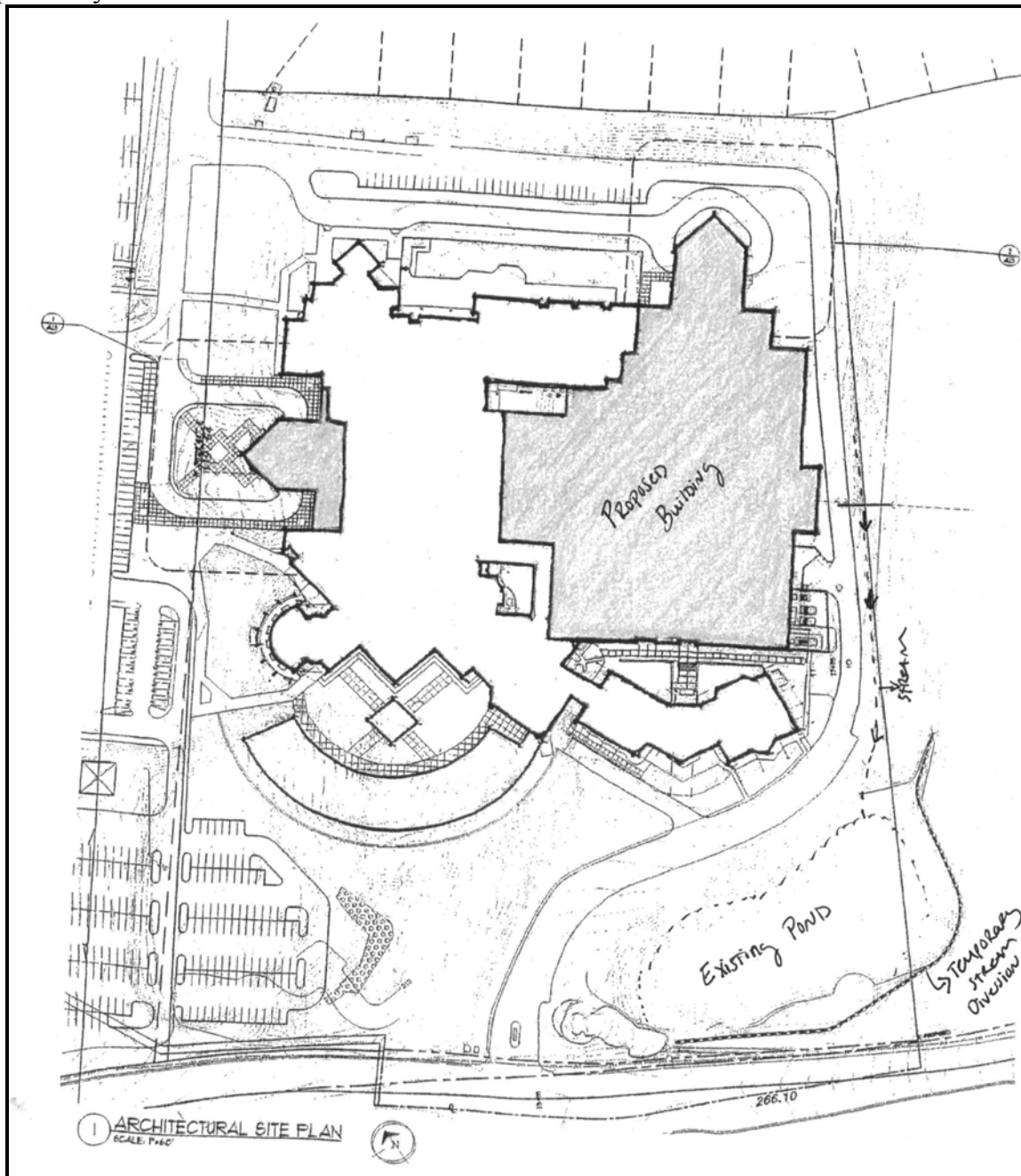


Figure 3: Sketch of proposed church expansion.

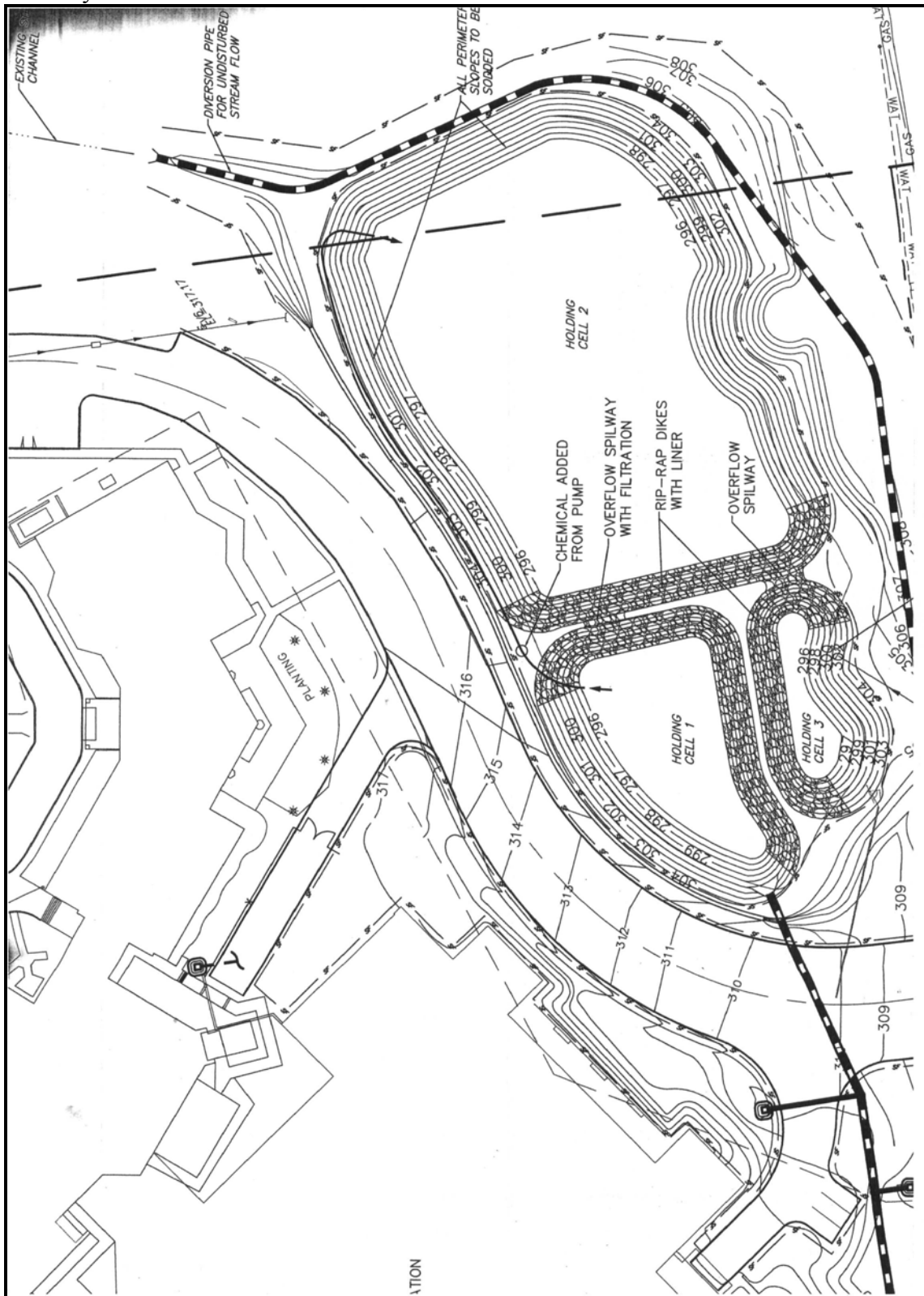


Figure 4: Plans showing the stream diversion and the plan for the use of the pond basin as a sediment basin.